FIG. 1

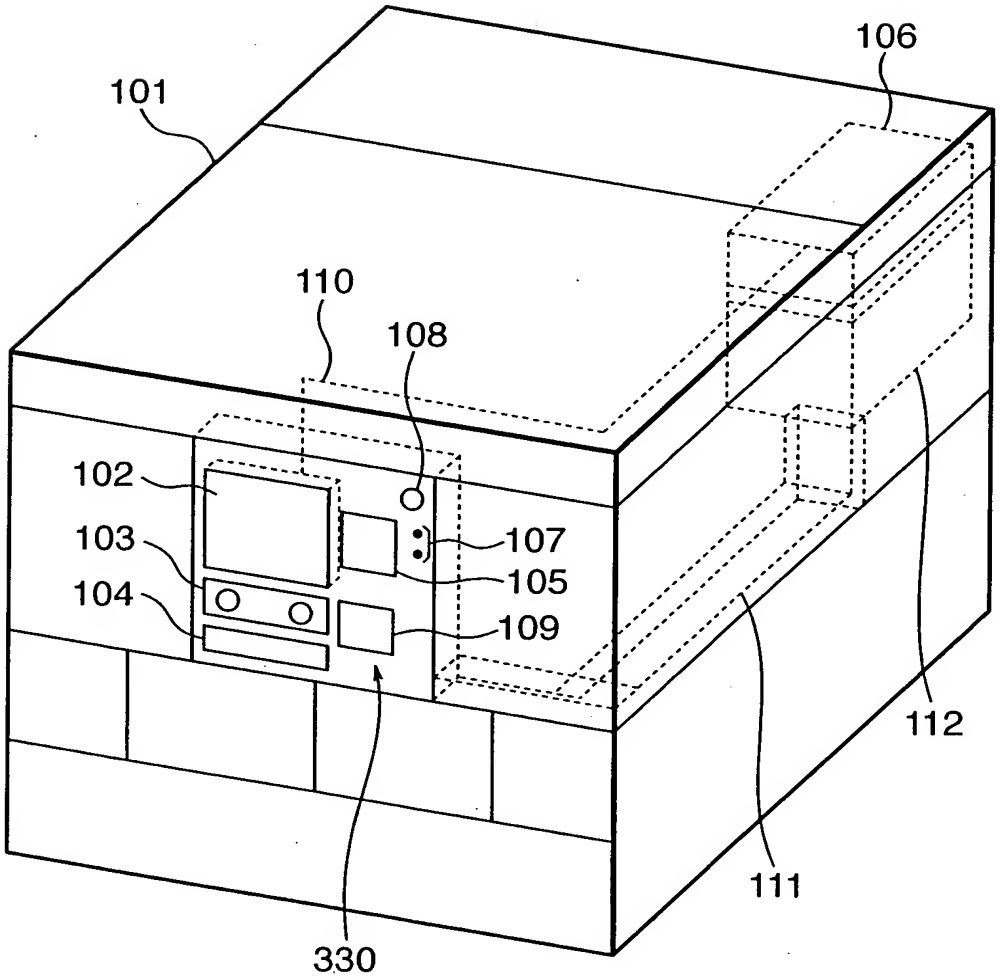
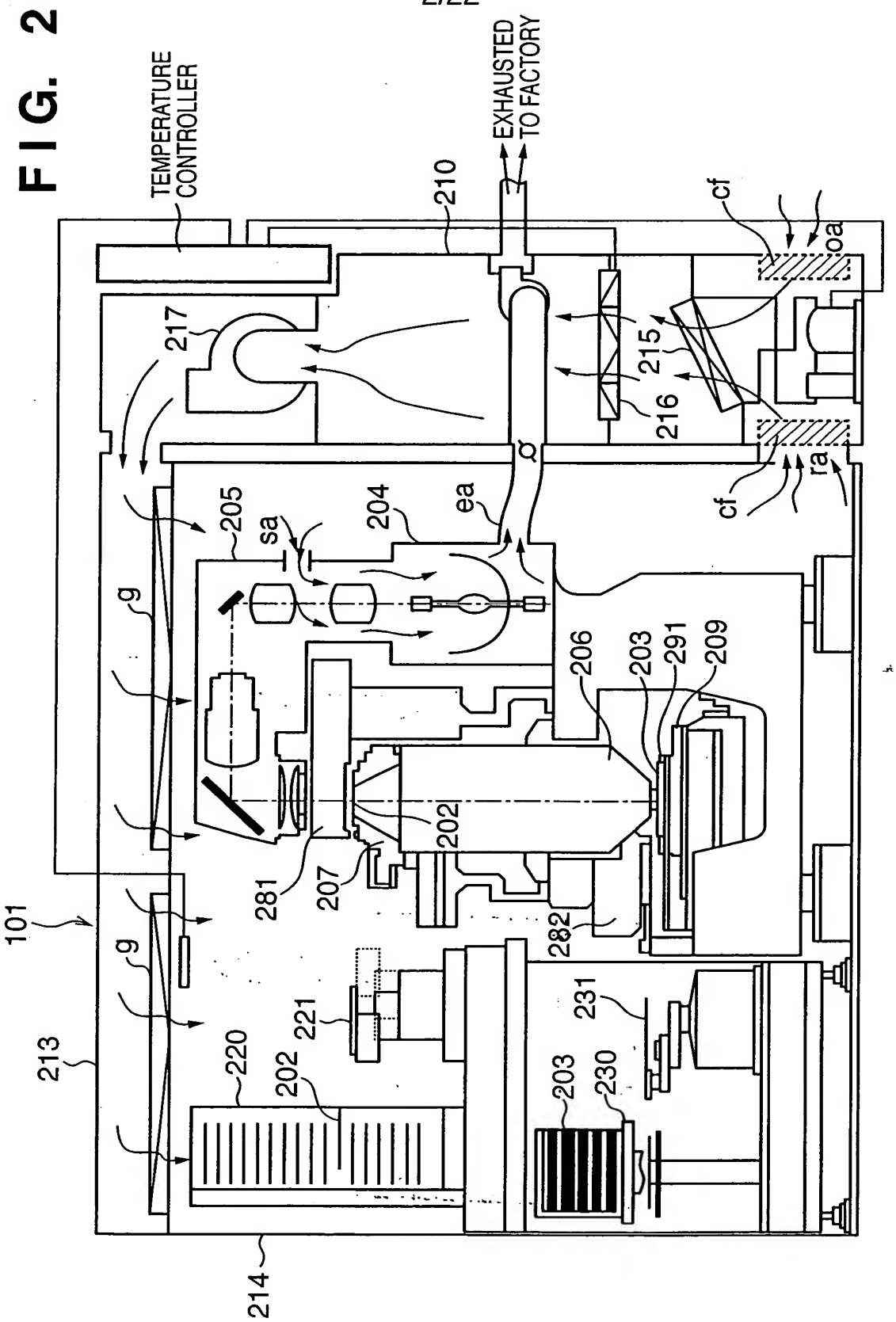


FIG. 2


TEMPERATURE CONTROLLER
EXHAUSTED TO FACTORY
210
217
215
216
cf
oa
ra
205
sa
204
ea
oa
g
206
203
291
209
202
281
207
282
101
213
214
220
221
231
230

# FIG. 3

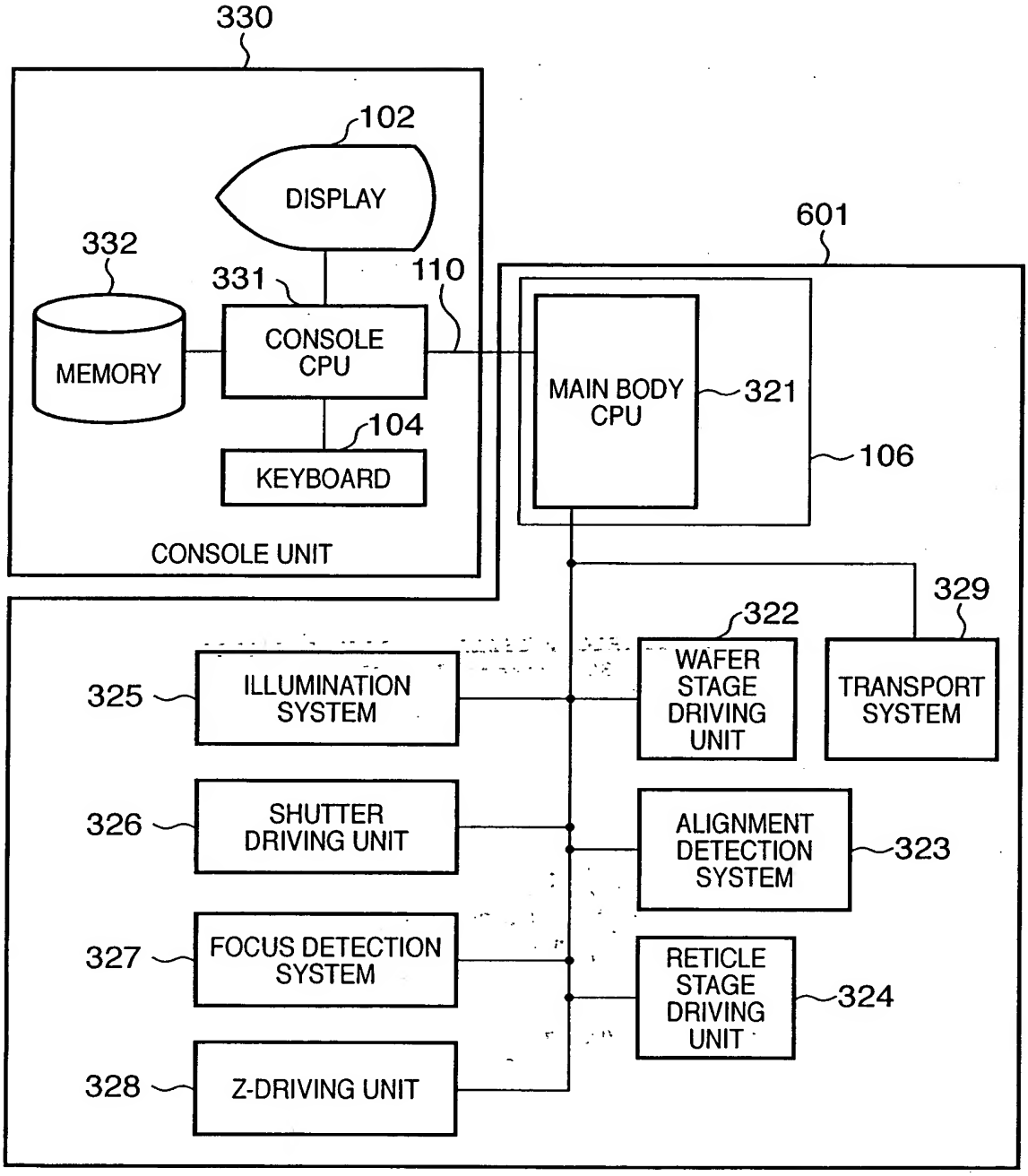

330
102
DISPLAY
601
332
331
110
MEMORY
CONSOLE CPU
MAIN BODY CPU
321
104
106
KEYBOARD
CONSOLE UNIT
329
322
325
ILLUMINATION SYSTEM
WAFER STAGE DRIVING UNIT
TRANSPORT SYSTEM
326
SHUTTER DRIVING UNIT
ALIGNMENT DETECTION SYSTEM
323
327
FOCUS DETECTION SYSTEM
RETICLE STAGE DRIVING UNIT
324
328
Z-DRIVING UNIT

FIG. 4

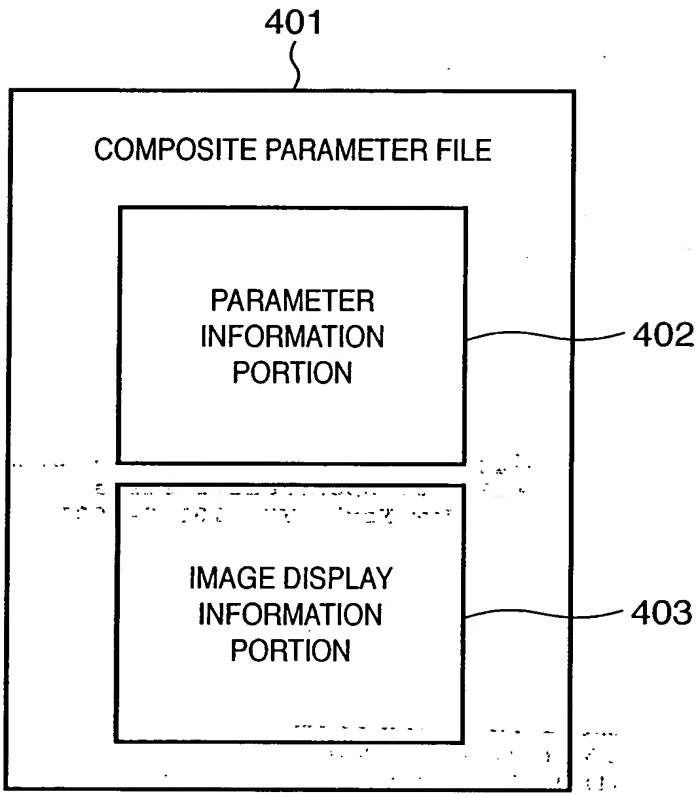

401
COMPOSITE PARAMETER FILE
PARAMETER INFORMATION PORTION
402
IMAGE DISPLAY INFORMATION PORTION
403

FIG. 5

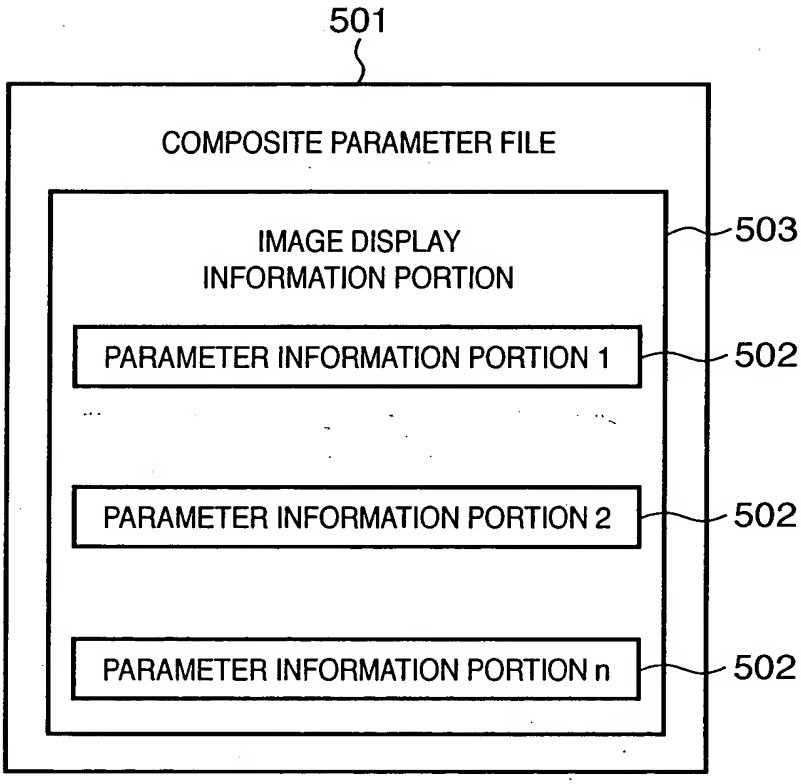

501
COMPOSITE PARAMETER FILE
IMAGE DISPLAY
INFORMATION PORTION
503
PARAMETER INFORMATION PORTION 1
502
PARAMETER INFORMATION PORTION 2
502
PARAMETER INFORMATION PORTION n
502

FIG. 6

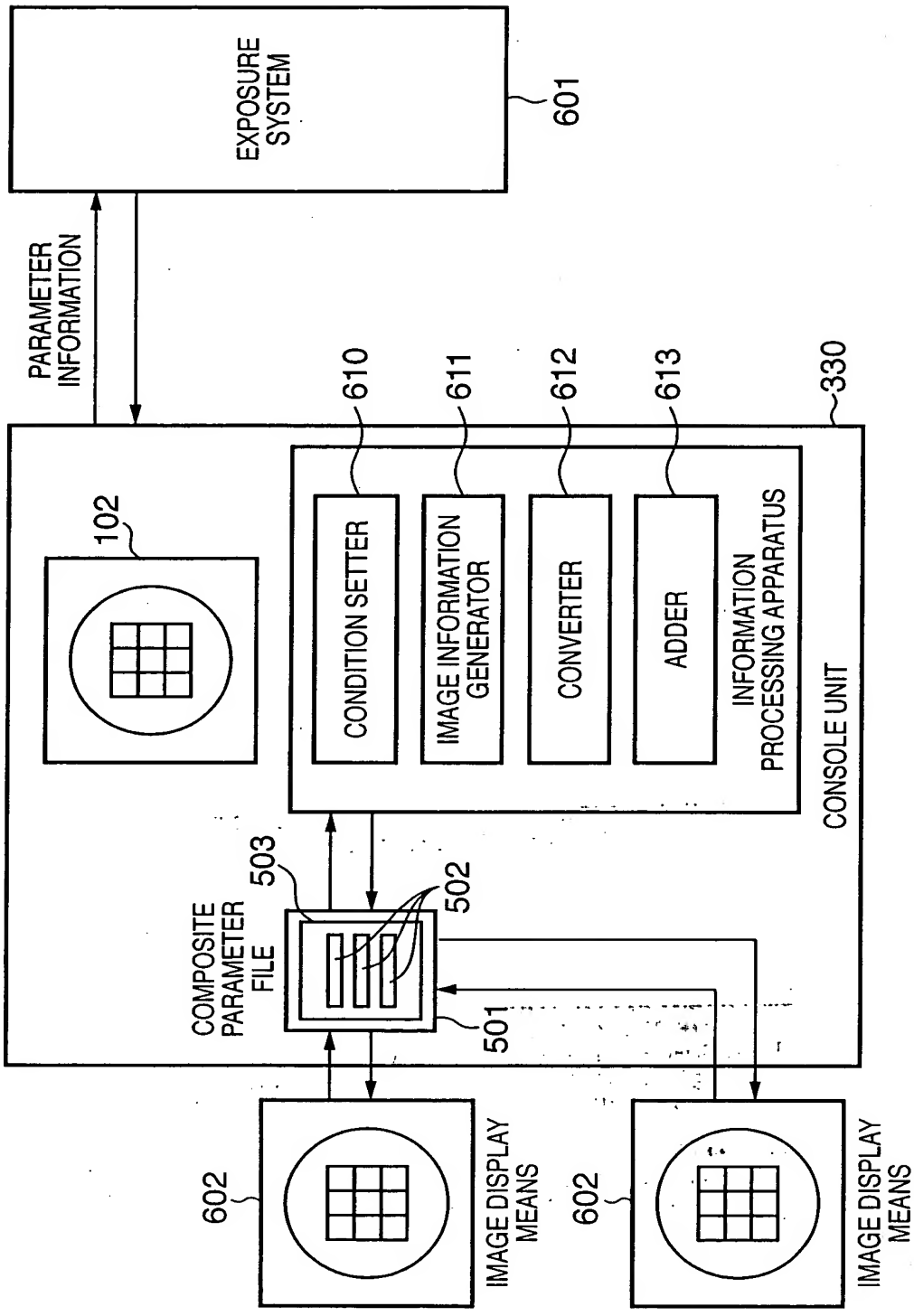

EXPOSURE SYSTEM
601
PARAMETER INFORMATION
610
611
612
613
330
102
CONDITION SETTER
IMAGE INFORMATION GENERATOR
CONVERTER
ADDER
INFORMATION PROCESSING APPARATUS
CONSOLE UNIT
503
502
COMPOSITE PARAMETER FILE
501
602
IMAGE DISPLAY MEANS
602
IMAGE DISPLAY MEANS

FIG. 7

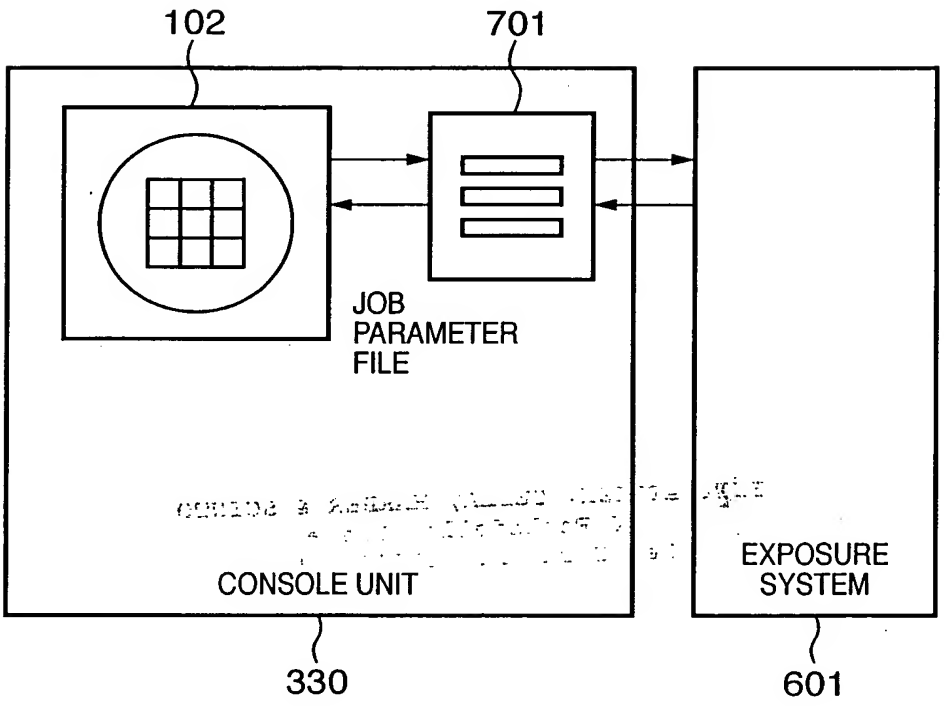
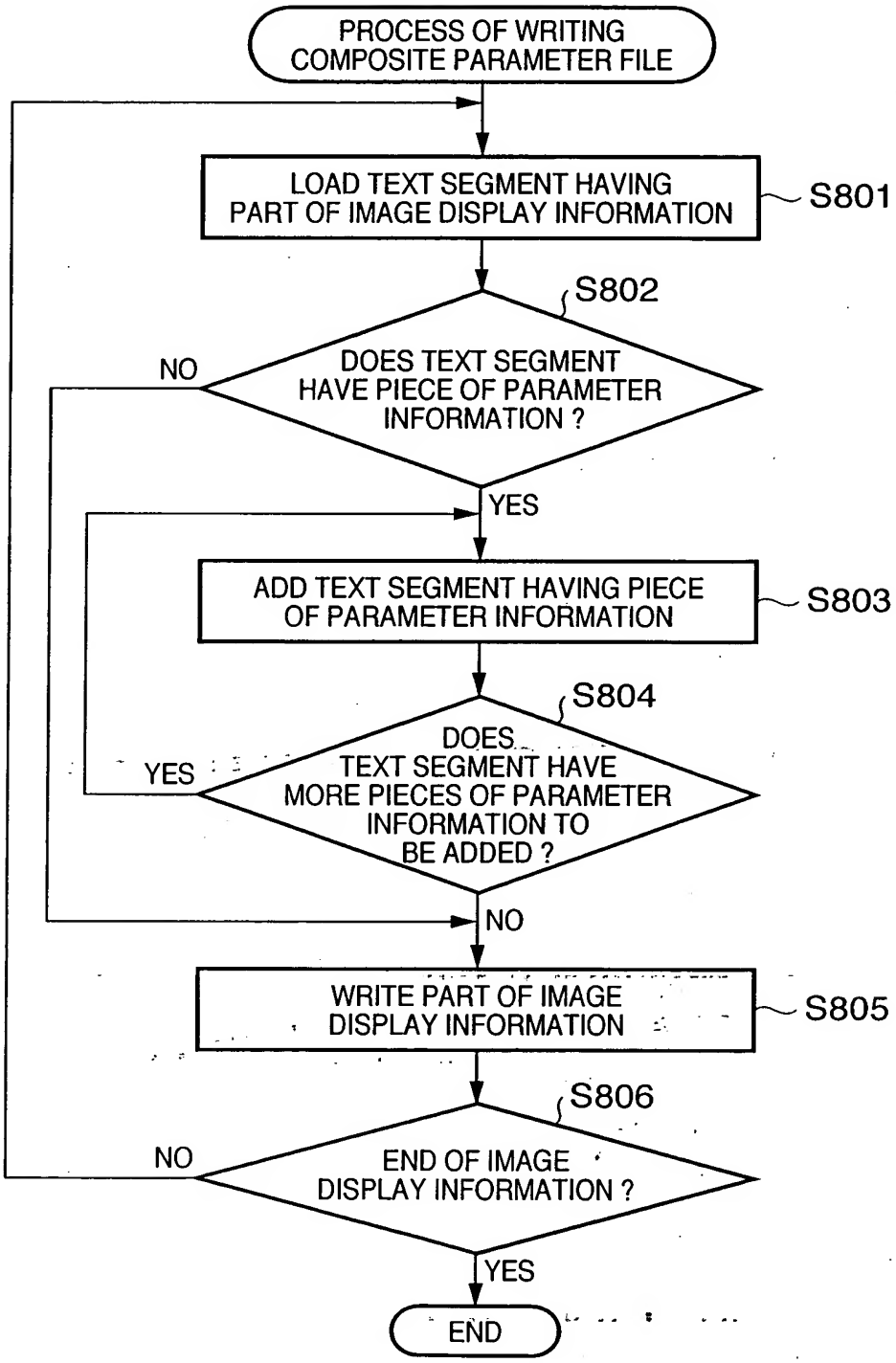
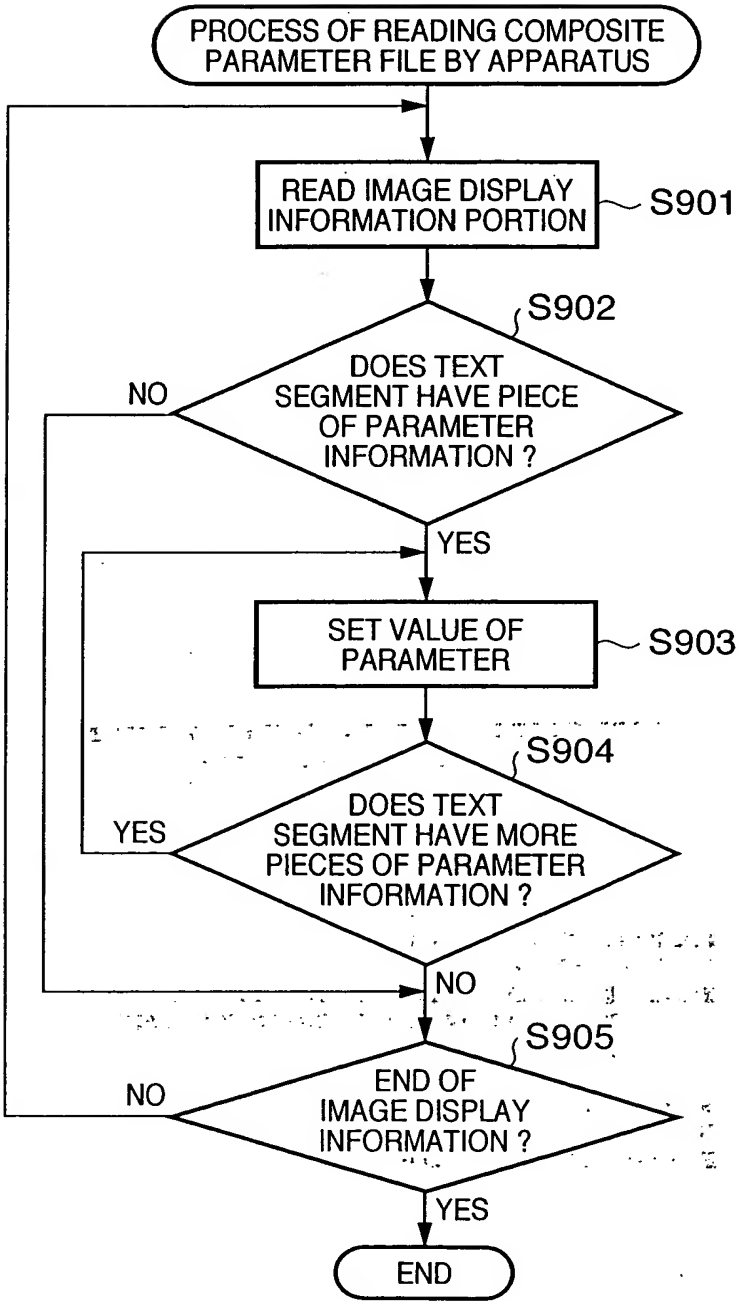

102
701
JOB
PARAMETER
FILE
CONSOLE UNIT
EXPOSURE
SYSTEM
330
601

FIG. 8


PROCESS OF WRITING COMPOSITE PARAMETER FILE
LOAD TEXT SEGMENT HAVING PART OF IMAGE DISPLAY INFORMATION
S801
S802
DOES TEXT SEGMENT HAVE PIECE OF PARAMETER INFORMATION ?
NO
YES
ADD TEXT SEGMENT HAVING PIECE OF PARAMETER INFORMATION
S803
S804
DOES TEXT SEGMENT HAVE MORE PIECES OF PARAMETER INFORMATION TO BE ADDED ?
YES
NO
WRITE PART OF IMAGE DISPLAY INFORMATION
S805
S806
END OF IMAGE DISPLAY INFORMATION ?
NO
YES
END

# FIG. 9


PROCESS OF READING COMPOSITE PARAMETER FILE BY APPARATUS
READ IMAGE DISPLAY INFORMATION PORTION
S901
S902
DOES TEXT SEGMENT HAVE PIECE OF PARAMETER INFORMATION ?
NO
YES
SET VALUE OF PARAMETER
S903
S904
DOES TEXT SEGMENT HAVE MORE PIECES OF PARAMETER INFORMATION ?
YES
NO
S905
END OF IMAGE DISPLAY INFORMATION ?
NO
YES
END

# FIG. 10A

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.0//EN"
"http://www.w3.org/TR/2001/REC-SVG-20010904/DTD/svg10.dtd">

<svg id="root" job:mag="1.000000" width="400" height="450" xmlns:job="http://semi.sample.org/job">
   <desc>
      <job:params>
        <job:param id="P1_12345">123.45</job:param>
        <job:param id="P1_12346">12345</job:param>
        <job:param id="P1_12347">1234.5</job:param>

      </job:params>
   </desc>

  <g>
    <path d="M 170.00,346.71  A 149.75,149.75 0 1,1 230.00,346.71 z" style="fill:#AA66EE; stroke: #EE44CC; stroke-width: 2;
opacity: 0.3"/>
  </g>
  <text x="150" y="380" style=" fill: black;">diameter = 299.5</text>
  <g id="P1" style="display:inline">
    <defs>
      <symbol id="symbol_shot1">
        <rect style="fill: #40DD90; stroke: #EE44CC; stroke-width: 1; opacity: 0.6" width="26.00" height="33.00"/>
      </symbol>
      <symbol id="symbol_Smp1">
        <rect style="pointer-events:none; fill: #404040; stroke: #EE44CC; stroke-width: 1; opacity: 0.6" width="26.00"
height="33.00"/>
      </symbol>
    </defs>
    <g id="S1">
      <use job:row="2" job:clm="1" x="161.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1" />
      <use job:row="2" job:clm="2" x="187.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1" />
      <use job:row="2" job:clm="3" x="213.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1" />
      <use job:row="1" job:clm="1" x="161.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1" />
      <use job:row="1" job:clm="2" x="187.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1" />
      <use job:row="1" job:clm="3" x="213.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1" />
    </g>
    <g>
      <text x="190" y="20" style="fill: blue;">Column</text>
      <text x="174" y="40" style="fill: black;">1</text>
      <text x="200" y="40" style="fill: black;">2</text>
      <text x="226" y="40" style="fill: black;">3</text>
```

# FIG. 10B

```
      <text x="20" y="190" style="fill:blue; writing-mode:tb; glyph-orientation-vertical:0">Row</text>
      <text x="40" y="184" style="fill: black;">1</text>
      <text x="40" y="217" style="fill: black;">2</text>
    </g>
    <g id = "GTILT1" style="display:none">
      <use job:row="1" job:clm="2" x="187.00" y="167.00" xlink:href= "#symbol_Smp1"/>
      <text x="200" y="184" style=" fill: red;">1</text>
      <use job:row="2" job:clm="1" x="161.00" y="200.00" xlink:href= "#symbol_Smp1"/>
      <text x="174" y="217" style=" fill: red;">2</text>
      <use job:row="2" job:clm="2" x="187.00" y="200.00" xlink:href= "#symbol_Smp1"/>
      <text x="200" y="217" style=" fill: red;">3</text>
      <use job:row="1" job:clm="3" x="213.00" y="167.00" xlink:href= "#symbol_Smp1"/>
      <text x="226" y="184" style=" fill: red;">4</text>
      <set attributeName="display" attributeType="css" to="inline" begin="GTILT1_SEL.click" dur="1s" />
    </g>
    <g id = "TPOC1" style="display:none">
      <use job:row="1" job:clm="3" x="213.00" y="167.00" xlink:href= "#symbol_Smp1"/>
      <text x="226" y="184" style=" fill: red;">1</text>
      <use job:row="2" job:clm="2" x="187.00" y="200.00" xlink:href= "#symbol_Smp1"/>
      <text x="200" y="217" style=" fill: red;">2</text>
      <use job:row="2" job:clm="1" x="161.00" y="200.00" xlink:href= "#symbol_Smp1"/>
      <text x="174" y="217" style=" fill: red;">3</text>
      <use job:row="1" job:clm="2" x="187.00" y="167.00" xlink:href= "#symbol_Smp1"/>
      <text x="200" y="184" style=" fill: red;">4</text>
      <set attributeName="display" attributeType="css" to="inline" begin="TPOC1_SEL.click" dur="1s" />
    </g>
  </g>
    <g id="GTILT1_SEL">
        <ellipse cx="50" cy="420" rx="40.5" ry="11.5"
            style="fill:rgb(192,192,255);stroke:rgb(0,0,128);stroke-width:1"/>
        <text x="25" y="427" style="fill:rgb(0,0,0);font-size:18;">GTILT</text>
    </g>
    <g id="TPOC1_SEL">
        <ellipse cx="150" cy="420" rx="40.5" ry="11.5"
            style="fill:rgb(192,192,255);stroke:rgb(0,0,128);stroke-width:1"/>
        <text x="125" y="427" style="fill:rgb(0,0,0);font-size:18;">TPOC</text>
    </g>
</svg>
```

FIG. 11

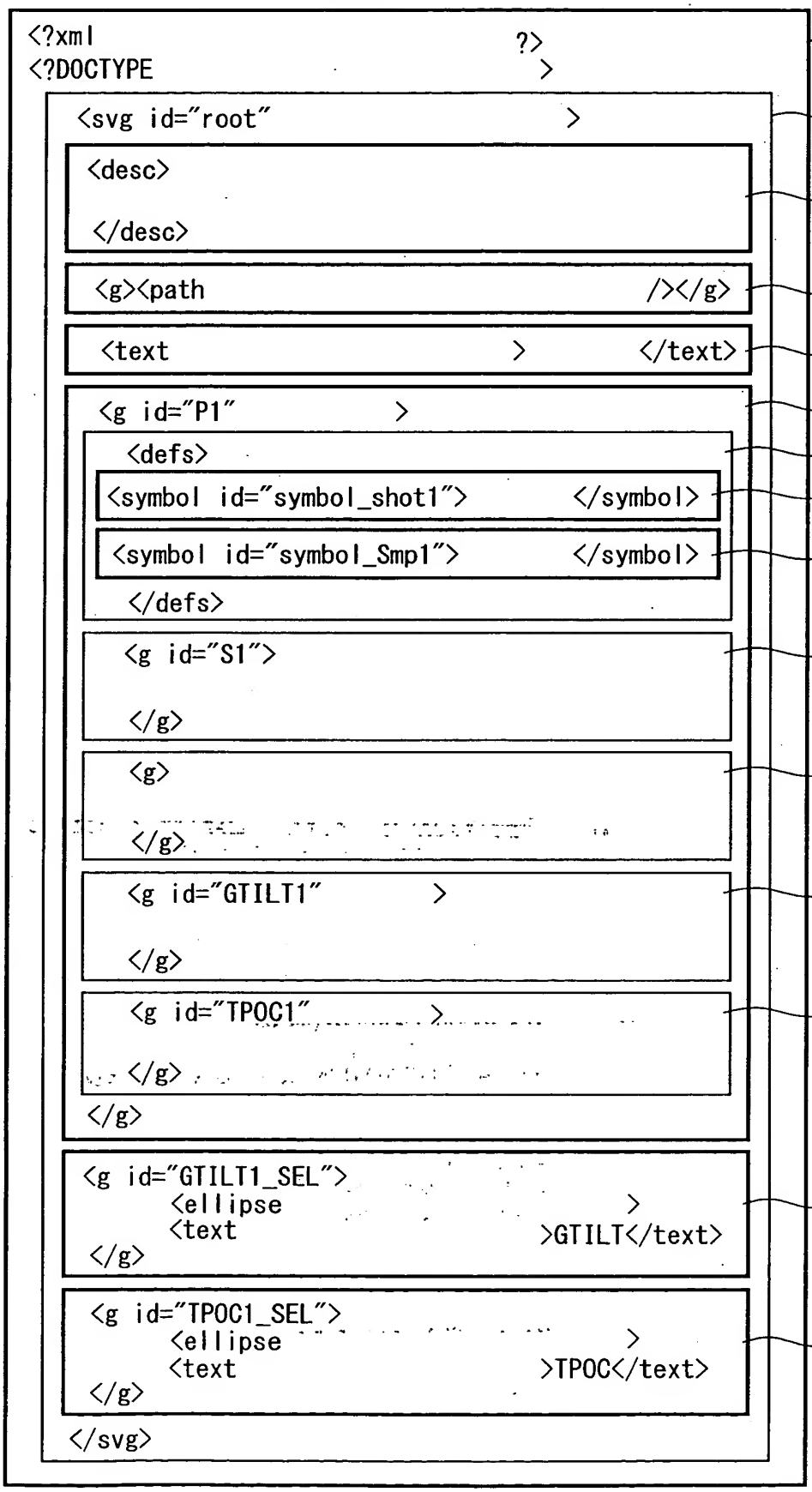

<?xml ?>
<?DOCTYPE >
<svg id="root" >
<desc>
</desc>
<g><path /></g>
<text > </text>
<g id="P1" >
<defs>
<symbol id="symbol_shot1"> </symbol>
<symbol id="symbol_Smp1"> </symbol>
</defs>
<g id="S1">
</g>
<g>
</g>
<g id="GTILT1" >
</g>
<g id="TPOC1" >
</g>
</g>
<g id="GTILT1_SEL">
<ellipse >
<text >GTILT</text>
</g>
<g id="TPOC1_SEL">
<ellipse >
<text >TPOC</text>
</g>
</svg>
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115

FIG. 12

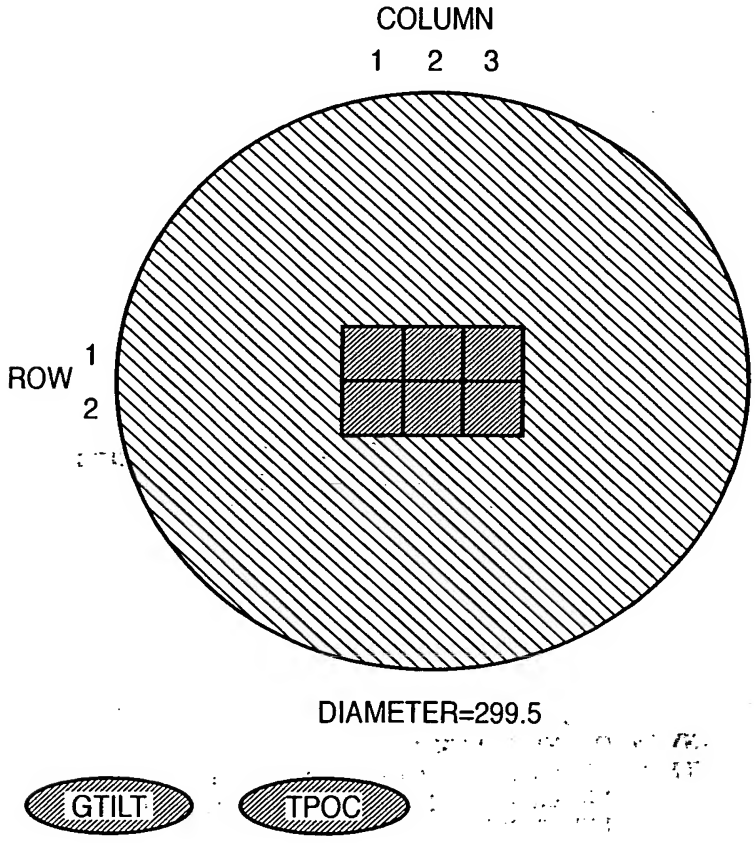


FIG. 13

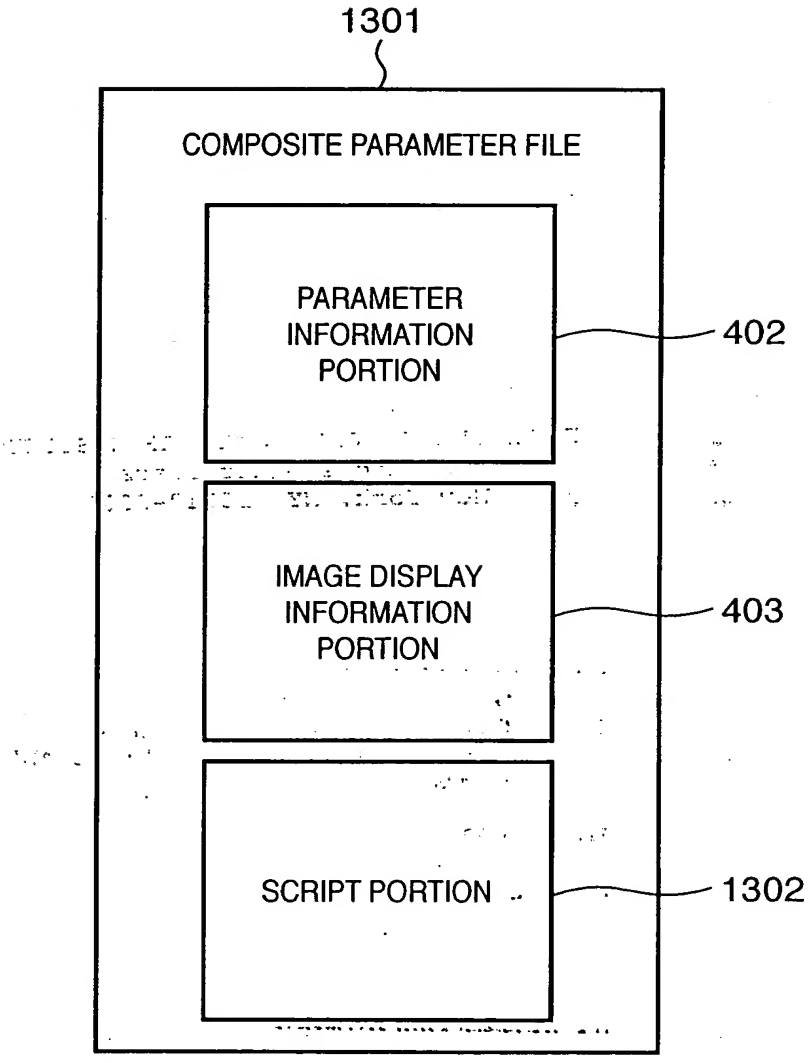

1301
COMPOSITE PARAMETER FILE
PARAMETER INFORMATION PORTION
402
IMAGE DISPLAY INFORMATION PORTION
403
SCRIPT PORTION
1302

FIG. 14

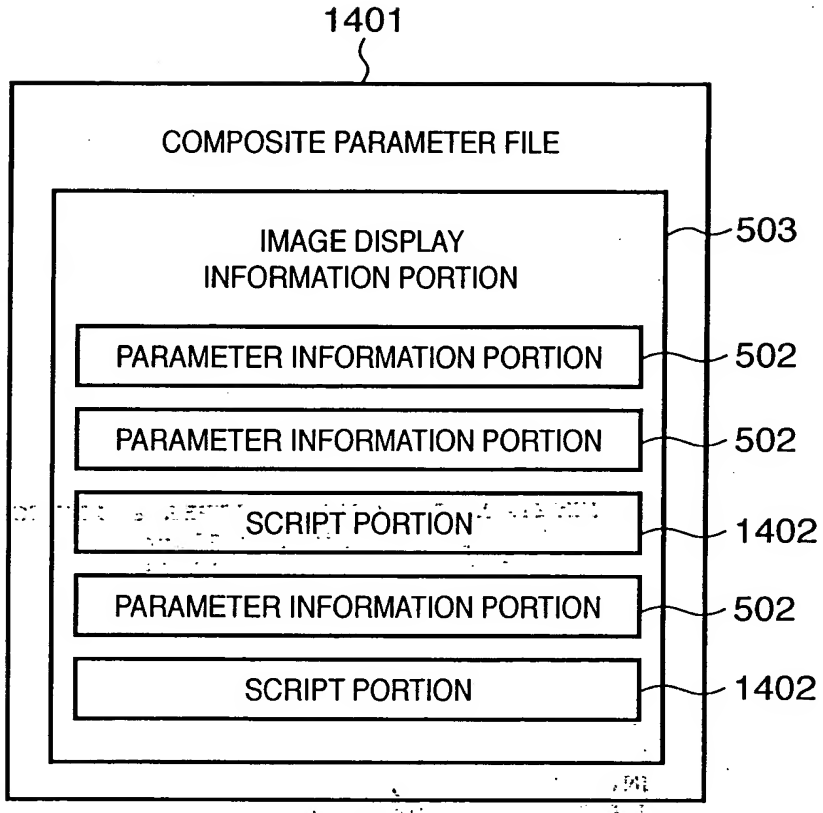
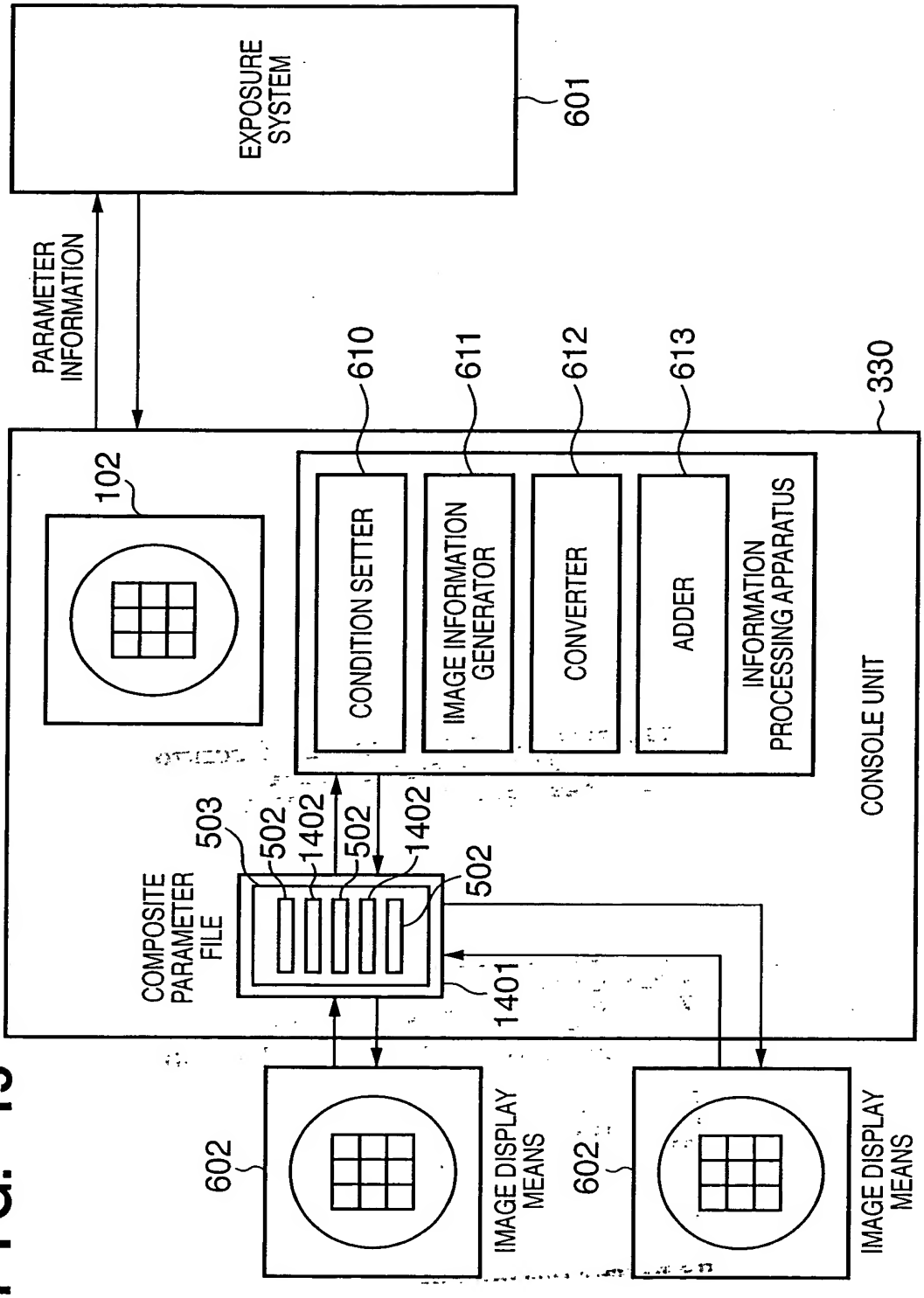

1401
COMPOSITE PARAMETER FILE
IMAGE DISPLAY INFORMATION PORTION
503
PARAMETER INFORMATION PORTION
502
PARAMETER INFORMATION PORTION
502
SCRIPT PORTION
1402
PARAMETER INFORMATION PORTION
502
SCRIPT PORTION
1402

FIG. 15


EXPOSURE SYSTEM
601
PARAMETER INFORMATION
610
611
612
613
330
102
CONDITION SETTER
IMAGE INFORMATION GENERATOR
CONVERTER
ADDER
INFORMATION PROCESSING APPARATUS
CONSOLE UNIT
503
502
1402
502
1402
502
COMPOSITE PARAMETER FILE
1401
602
IMAGE DISPLAY MEANS
602
IMAGE DISPLAY MEANS

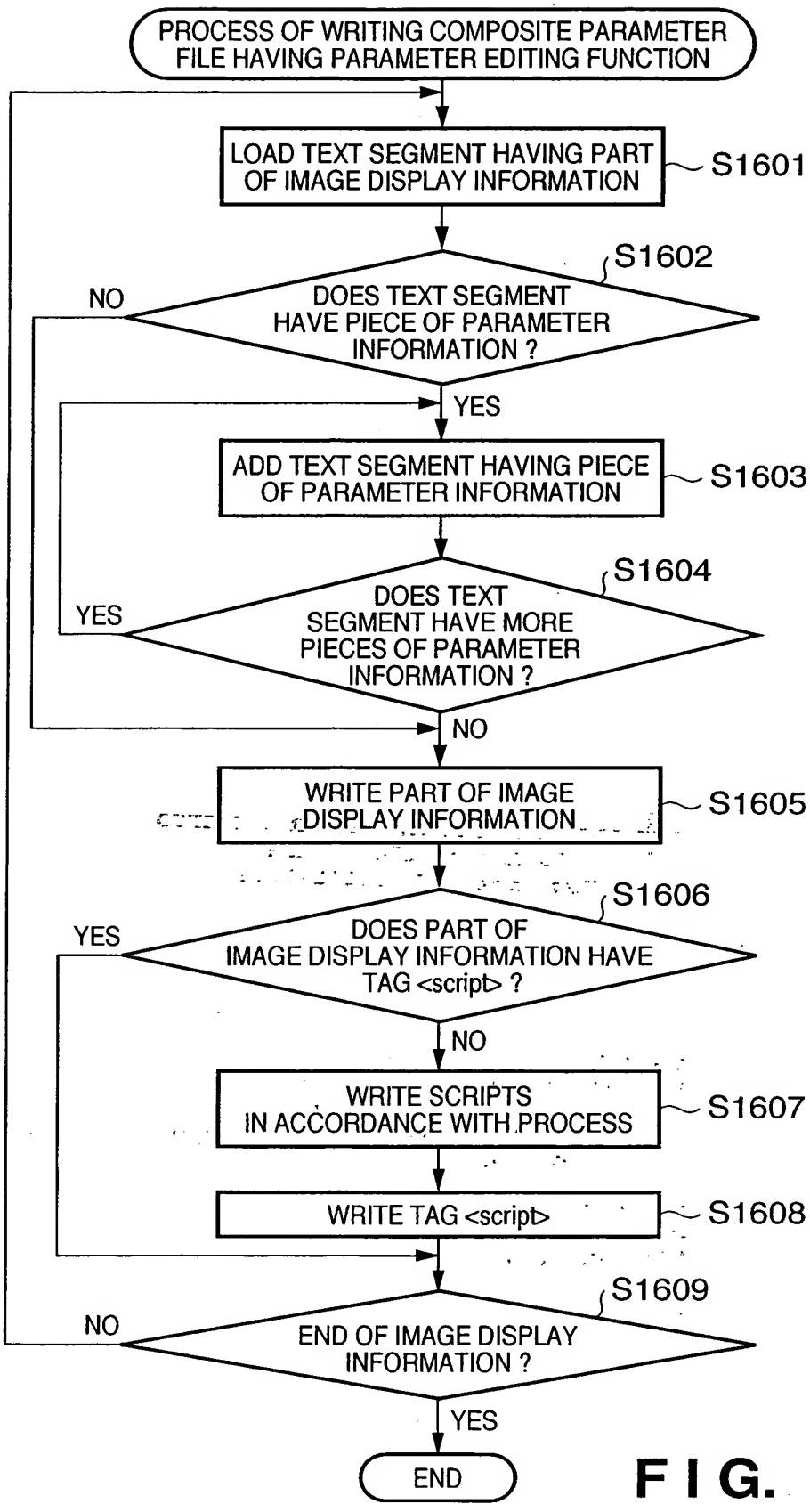

PROCESS OF WRITING COMPOSITE PARAMETER FILE HAVING PARAMETER EDITING FUNCTION
LOAD TEXT SEGMENT HAVING PART OF IMAGE DISPLAY INFORMATION
S1601
S1602
DOES TEXT SEGMENT HAVE PIECE OF PARAMETER INFORMATION ?
NO
YES
ADD TEXT SEGMENT HAVING PIECE OF PARAMETER INFORMATION
S1603
S1604
DOES TEXT SEGMENT HAVE MORE PIECES OF PARAMETER INFORMATION ?
YES
NO
WRITE PART OF IMAGE DISPLAY INFORMATION
S1605
S1606
DOES PART OF IMAGE DISPLAY INFORMATION HAVE TAG <script> ?
YES
NO
WRITE SCRIPTS IN ACCORDANCE WITH PROCESS
S1607
WRITE TAG <script>
S1608
S1609
END OF IMAGE DISPLAY INFORMATION ?
NO
YES
END

FIG. 16

# FIG. 17A

```
<?xml version="1.0" standalone="no" ?>
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.0//EN"
"http://www.w3.org/TR/2001/REC-SVG-20010904/DTD/svg10.dtd">
<?AdobeSVGViewer save="snapshot"?>

<svg id="root" job:mag="1.000000" width="400" height="450" xmlns="http://www.w3.org/2000/svg"
 xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:job="http://semi.sample.org/job">
   <desc>
      <job:params>
        <job:param id="P1_12345">123.45</job:param>
        <job:param id="P1_12346">12345</job:param>
        <job:param id="P1_12347">1234.5</job:param>

      </job:params>
   </desc>

  <g>
    <path d="M 170.00,346.71  A 149.75,149.75 0 1,1 230.00,346.71 z" style="fill:#AA66EE; stroke: #EE44CC; stroke-width: 2;
opacity: 0.3" onclick="wmdown(evt)"/>
  </g>
  <text x="150" y="380" style=" fill: black;">diameter = 299.5</text>
  <g id="P1" style="display:inline" job:stepx="26.00" job:stepy="33.00">
    <defs>
      <symbol id="symbol_shot1">
        <rect style="fill:#40DD90; stroke: #EE44CC; stroke-width: 1; opacity: 0.6" width="26.00" height="33.00"/>
      </symbol>
    </defs>
    <g id="S1">
      <use job:row="2" job:clm="1" x="161.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
      <use job:row="2" job:clm="2" x="187.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
      <use job:row="2" job:clm="3" x="213.00" y="200.00" job:focus="11.50" job:expo="20.00" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
      <use job:row="1" job:clm="1" x="161.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
      <use job:row="1" job:clm="2" x="187.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
      <use job:row="1" job:clm="3" x="213.00" y="167.00" job:focus="10.00" job:expo="22.20" xlink:href= "#symbol_shot1"
onclick="smdown(evt)"/>
    </g>
    <g>
```

# FIG. 17B

```
      <text x="190" y="20" style="fill: blue;">Column</text>
      <text x="174" y="40" style="fill: black;">1</text>
      <text x="200" y="40" style="fill: black;">2</text>
      <text x="226" y="40" style="fill: black;">3</text>
      <text x="20" y="190" style="fill:blue; writing-mode:tb; glyph-orientation-vertical:0">Row</text>
      <text x="40" y="184" style="fill: black;">1</text>
      <text x="40" y="217" style="fill: black;">2</text>
    </g>
  </g>

    <script>
    function wmdown(evt)
    {
       var p1= svgDocument.getElementById ("P1");
       var stepx = p1.getAttribute("job:stepx");
       var stepy = p1.getAttribute("job:stepy");
       var node0 = p1.getElementsByTagName("use").item(0);
       var sx0=node0.getAttribute("x");
       var sy0=node0.getAttribute("y");
       var row0=node0.getAttribute("job:row");
       var clm0=node0.getAttribute("job:clm");
       var x = evt.getClientX();
       var y = evt.getClientY();
       var dc = Math.round((parseFloat(x)  - (parseFloat(sx0) + stepx/2))/stepx);
       var dr = Math.round((parseFloat(y)  - (parseFloat(sy0) + stepy/2))/stepy);
       var tmpc = parseInt(clm0) + dc;
       var tmpr = parseInt(row0) + dr;
       var nodec = node0.cloneNode(true);
       nodec.setAttribute ("x", Math.round(parseFloat(sx0) + dc * stepx));
       nodec.setAttribute ("y", Math.round(parseFloat(sy0) + dr * stepy));
       nodec.setAttribute ("job:row", tmpr);
       nodec.setAttribute ("job:clm", tmpc);
       node0.getParentNode().appendChild(nodec);
    }

    function smdown(evt)
    {
       if(evt.getTarget().getParentNode().getElementsByTagName("use").length >= 2)
         evt.getTarget().getParentNode().removeChild(evt.getTarget());
    }
    </script>
</svg>
```

FIG. 18

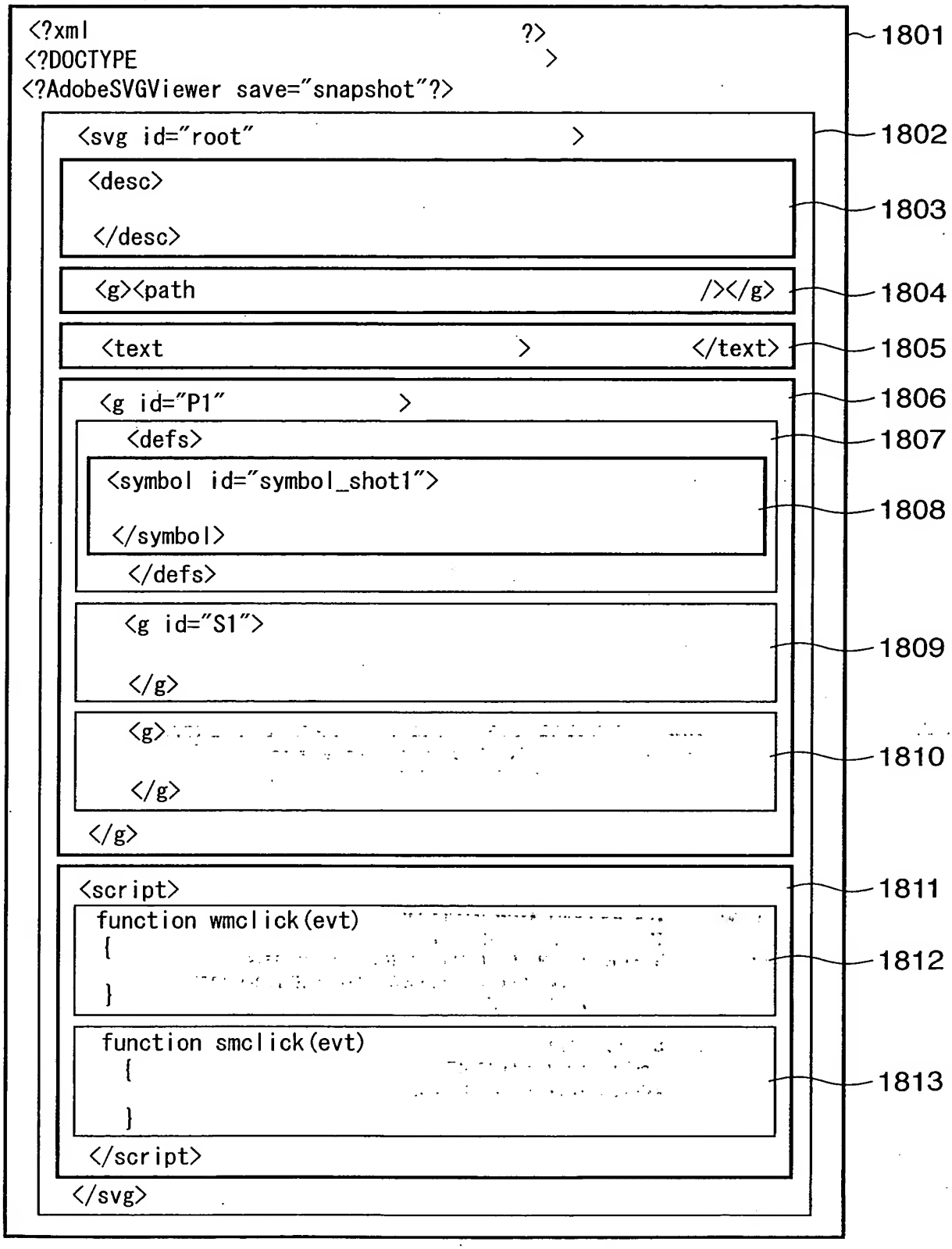

<?xml ?>
<?DOCTYPE >
<?AdobeSVGViewer save="snapshot"?>
<svg id="root" >
<desc>
</desc>
<g><path /></g>
<text > </text>
<g id="P1" >
<defs>
<symbol id="symbol_shot1">
</symbol>
</defs>
<g id="S1">
</g>
<g>
</g>
</g>
<script>
function wmclick(evt)
{
}
function smclick(evt)
{
}
</script>
</svg>
1801
1802
1803
1804
1805
1806
1807
1808
1809
1810
1811
1812
1813

FIG. 19

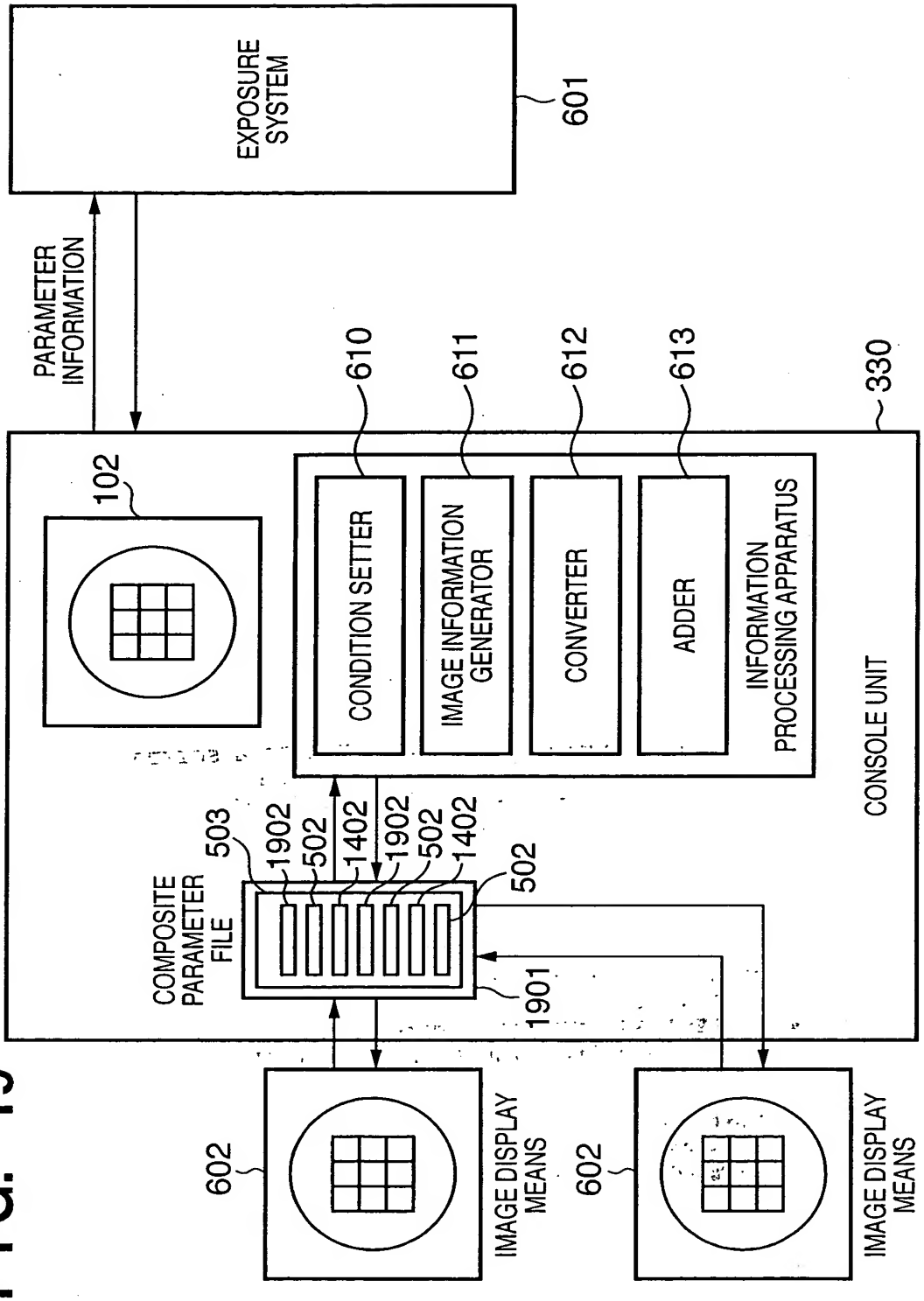
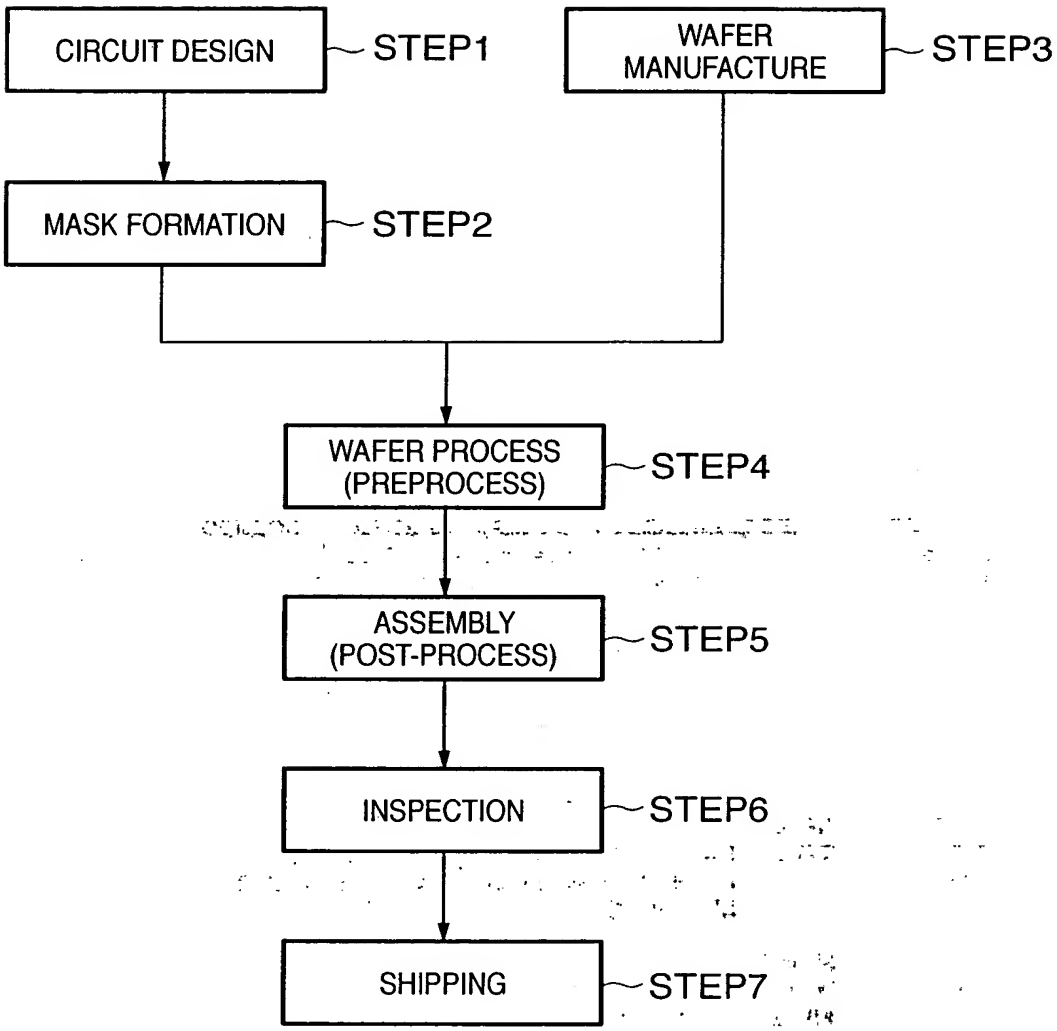

EXPOSURE SYSTEM
601
PARAMETER INFORMATION
610
611
612
613
330
102
CONDITION SETTER
IMAGE INFORMATION GENERATOR
CONVERTER
ADDER
INFORMATION PROCESSING APPARATUS
CONSOLE UNIT
503
1902
502
1402
1902
502
1402
502
COMPOSITE PARAMETER FILE
1901
602
IMAGE DISPLAY MEANS
602
IMAGE DISPLAY MEANS

FIG. 20


CIRCUIT DESIGN
STEP1
WAFER MANUFACTURE
STEP3
MASK FORMATION
STEP2
WAFER PROCESS (PREPROCESS)
STEP4
ASSEMBLY (POST-PROCESS)
STEP5
INSPECTION
STEP6
SHIPPING
STEP7